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AFSC 13MX

AIRFIELD OPERATIONS OFFICER



CAREER FIELD EDUCATION AND TRAINING PLAN

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**CAREER FIELD EDUCATION AND TRAINING PLAN AIRFIELD OPERATIONS
OFFICER 13MX**

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**AIRFIELD OPERATIONS OFFICER SPECIALTY
AFSC 13MX
CAREER FIELD EDUCATION AND TRAINING PLAN**

Part I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive training document that identifies life-cycle training requirements, training support resources and minimum core task requirements for the Airfield Operations Officer specialty.
2. The CFETP consists of two parts used by supervisors and commanders to plan and manage training within the career field.
 - 2.1. Part I provides information necessary for overall management of the specialty. Section A explains how to use the plan; Section B identifies career field progression information, duties and responsibilities; Section C associates each level with specialty qualifications (knowledge and training); and Section D indicates resource constraints.
 - 2.2. Part II includes the following: Section A identifies the course training standard and includes duties and tasks to support initial qualification training. Section B identifies the training course index supervisors and commanders should use to determine resources available to support training. Section C identifies available support material (Airfield Operations Management Qualification Training Package; AOM QTP). Section D identifies MAJCOM unique requirements (there are currently none).
3. Using guidance provided in the CFETP will ensure Airfield Operations Officers receive effective and efficient training at appropriate points in their career. At unit level, supervisors and commanders will use Part I to identify, validate initial training and conduct follow-on training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Air Force Career Field Manager (AFCFM). Representative appointed by the respective HQ USAF Deputy Chief of Staff to ensure assigned AF specialties are trained and utilized to support AF mission requirements.

Air Force Officer Classification Document (AFOCD). Air Force officer specialty description outlining essential managerial, technical and professional duties.

Air Force Specialty (AFS). A basic grouping of positions requiring similar skills and qualifications.

Career Field Education and Training Plan (CFETP). A comprehensive document that identifies life-cycle education and training requirements, training support resources and minimum requirements for each specialty.

Combat Mission Ready (CMR). CMR is the qualification status for 13M officers indicating the officer is positionally qualified and proficient. To attain CMR, an officer must complete the Mission Qualification Training program at their airfield operations flight (AOF) assignment.

Continuation Training (CT). Additional advanced training exceeding the minimum upgrade training requirements with emphasis on present or future duty assignments.

Core Task. A task identified by the AFCFM as a minimum qualification requirement within an Air Force Specialty.

Course Training Standard (CTS). A training standard that identifies the training those members will receive in a specific course.

Credential. An endorsement issued from FAA AOV (Air Traffic Oversight) that identifies a person as a qualified air traffic control specialist through the listing of identifying information and professional qualifications in the form of facilities, ratings, and designations.

Development Training (DT). Training acquired beyond the core competencies spelled out in the QTP.

Initial Skills Training (IST). A formal school course that results in award of the entry level AFS or mandatory training for upgrade to qualified officers.

Mission Qualification Training (MQT). Academic and positional training requirements to attain CMR status. MQT occurs at each 13M AOF assignment.

Position Certification Guide (PCG). A guide developed and used to train personnel on specific knowledge and task items required for a position certification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an individual in a specific duty position. This portion of the

dual channel on-the-job training program occurs both during and after the upgrade training process. It is designed to provide the performance skills required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program or on a piece of equipment. It may be printed, computer-based or in other audio/visual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being delivered.

Specialty Training Requirements Team (STRT). Usually held 4 months prior to U&TW. Primary purpose of meeting is for AFCFM and functional leaders to determine and present training requirements to the AETC Training Pipeline Manager and Training Manager.

Task Certification Guide (TCG). An instructional package designed for use at the unit to aid qualification in a duty position or program, or on a piece of equipment.

Total Force. All collective Air Force components (active, reserve, guard, and civilian elements) of the United States Air Force.

Training Capacity. The capability of a training setting to provide training on specified requirements based on the availability of resources.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) functional managers and training personnel to determine career ladder training requirements. This meeting is chaired by the AFCFM and co-chaired by the Training Pipeline Manager.

Section A – General Information

1. **Purpose.** This CFETP provides the information necessary for the AFCFM, MAJCOM functional managers (MFMs), training management, supervisors and trainers to plan, develop, manage and conduct an effective and efficient career field training program. The plan outlines the training that airfield operations officers should receive in order to develop and progress throughout their career. For purposes of this plan, training is divided into Initial Skills Training (IST), Mission Qualification Training (MQT), Continuation Training (CT), and Development Training (DT). IST is Air Force Specialty (AFS) specific initial skills training. IST is conducted by the 334th Training Squadron (334 TRS), Keesler AFB MS. 13M1s are awarded the Air Traffic Control occupational badge upon completion of IST. MQT identifies qualifications and training requirements to become a 13M3. MQT is conducted and facilitated at an individual's first and follow-on AOF duty assignments. CT is proficiency training provided to personnel to increase their skills and knowledge beyond the achievement of CMR.

2. **Uses.** This plan will be used by MFMs and supervisors at all levels.

2.1. 334 TRS (AETC) training personnel will develop and revise formal training based upon requirements established by the users and documented in Part II. They will also work with the AFCFM to develop strategies for obtaining resources needed to provide the identified training.

2.2. MFMs will ensure this training program is implemented IAW this CFETP and AFI 13-204v1, *Airfield Operations Career Field Development*. MAJCOM-specific training to support this AFS must be identified in this plan.

2.3. Each 13MX officer will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

2.4. Student Training Report Card. The AETC Form 156, *Student Training Report*, reports students' performance during technical school training. For information regarding training or the documentation of completed training contact the 334 TRS at DSN 597-5159.

2.5. Students will complete initial skills training at Keesler AFB, MS. The 334 TRS Air Traffic Control Training Flight manages the 13M1 IST Course. Course content is based on the items in the CTS in Part II of this CFETP.

3. **Coordination and Approval.** The AFCFM is the approval authority for waiving requirements identified in this CFETP. MAJCOM representatives and HQ AETC training personnel will identify and coordinate on career field training requirements. The AFCFM will initiate an annual review of this document by HQ AETC and MFMs to ensure its currency and accuracy.

Section B – Career Progression and Information

4. Specialty Description.

4.1. Specialty Summary. Performs and leads airfield operations (AO) functions of, air traffic control (ATC), airfield management (AM), air traffic control and landing systems (ATCALS), and airspace management within the National Airspace System (NAS), International Civil Aviation Organization (ICAO), and combat environments. Advises commanders on the effective use of AO assets. Provides AO staff leadership, supervision and technical assistance. Develops, formulates, and implements plans, policies and programs for executing Air Force (AF) AO responsibilities and activities. Supports civil aviation responsibilities in compliance with Public Law 85-726. Related DoD Occupational Group: 220700/Standard Occupational Series Code – 2152

4.2. Duties and Responsibilities. Trains, establishes standards, and conducts operational evaluations in order to manage unit training and performance standards to ensure airfield operations personnel possess required job skills. Oversees Program Element Code (PEC) funding account and submits Program Objective Memorandum (POM) requests for funds when required.

4.2.1. Performs technical functions and provides oversight of ATC services. Services include radar approach control, ground control approach, radar final control, and control tower operations. Develops operational procedures and monitors their implementation for improving operations and/or maintaining a safe flying environment. Develops agreements between facilities and with other local agencies to define standards of performance. Maintains close liaison with lateral Federal Aviation Administration (FAA), ICAO, or host nation officials to negotiate and coordinate changes affecting ATC services and operations. Coordinates with FAA and military flight inspection agencies, ATC and ATCALS maintenance, flying units, and other affected agencies concerning flight inspection activities. Trains, establishes standards, and conducts operational evaluations in order to manage unit training and performance standards to ensure airfield operations personnel possess required job skills.

4.2.2. Performs technical functions and provides oversight of AM and airfield management operations (AMOPS). Makes recommendations and takes action on matters that affect the content and character of policy statements and instructions involving airfield environment. Conducts analysis to determine optimum siting of equipment and facilities within the airfield environment or those equipment and/or facilities that may present hazards to aviation safety. Performs airfield inspections and collaborates contracts to ensure optimal airfield and runway status. Ensures flight planning and airfield advisory services adequately support military and civil airfield users. Provides functional expertise and input for activating, employing or deactivating airfield systems including AO facilities and navigational aids.

4.2.3. Performs oversight of civil and military airspace utilization to review, redesign, and optimize airspace leveraging new technologies, equipment, infrastructure, and procedural development to maximize benefits and system efficiencies within the NAS, ICAO, and host nation airspace structure. Works to ensure all supported airspace redesign, both enroute and

terminal airspace, is conducted in a manner that reflects optimal benefits to the widest variety of aviation stakeholders, conforming with environmental and safety requirements. Authors airspace management agreements with sister services, allied forces, and civil authorities to ensure the safe and effective operation of civil and military air traffic. Provides technical expertise to increase combat effectiveness by promoting the safe, efficient, and flexible use of airspace in a combat environment to reduce the risk of friendly fire, enhance air defense operations, and permit greater flexibility of operations. Uses current US national military objectives and assigned missions to develop procedures supporting multinational operations ensuring compatibility and interoperability of support systems.

4.2.4. Provides oversight of ATCALS maintenance operations. Ensures home-based and deployable navigational aids (NAVAIDS), radar(s), weather, and radio equipment are mission capable. Guarantees a safe working environment, provides job safety training and equips personnel with proper safety gear. Ensures ATCALS equipment is tested to technical order standards and is fixed when off the minimum tolerance levels. Tracks ATCALS outages and prioritizes repairs based on mission demands and priorities. Develops procedures for ATCALS restoral and recommends restoral priorities. Coordinates with higher headquarters for Engineering & Installation (E&I) support.

5. Skill and Career Progression. Quality training and timely progression from the entry to qualified levels play an important role in the Air Force's ability to accomplish its mission. Everyone involved in education and training must plan, manage and conduct an effective program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career. Figure 5.1 depicts typical duty positions in the 13M career field by skill level.

5.1. Entry (13M1): AFSC 13M1 is awarded at time of selection to attend the initial skills training formal course at Keesler AFB, MS.

5.2. Intermediate (13M2): This skill level is not used for this AFSC.

5.3. Qualified (13M3):

5.3.1. MQT will be administered by a 13M3 at the unit level and managed/facilitated by the owning MFM IAW AFI 36-2201, *Air Force Training Program*. If a 13M3 is not available to administer training at the unit, MAJCOM 13Ms may fulfill this requirement. MQT at the first duty locations will include completion of:

5.3.1.1. One control position certification in either Tower or RAPCON (e.g. local control or approach control), and one assist "non-control" position in the opposite facility (i.e. flight data or approach assist [unless assigned to a tower only location]). Proficiency will be maintained in those positions until reassignment.

Note: 13M officers will use "without prior experience" time limits to attain ATC position certifications specified in the appropriate position certification guides, unless an officer has previously earned a Special Experience Identifier (SEI) equivalent rating in the facility in which

they are training.

5.3.1.2. Airfield Management Operations Coordinator (AMOC) PCG.

5.3.1.3. The Airfield Operations Management Qualifications Training Package (AOM QTP).

Note: 13M officers have up to 24 months from IST course graduation to complete all MQT requirements. Once MQT requirements are completed at the first assignment, 13M1 officers are considered CMR and are awarded the 13M3 AFSC.

5.3.2. Follow-on 13M3 MQT at subsequent AOF-level assignments consists of ATC position certifications and AM requirements. These requirements will be validated by each MFM. Follow-on assignment MQT requirements are as follows:

Note: ATC and AM position certifications must be completed within 12 months of assignment.

5.3.2.1. Complete the local AM AF IMT 797 requirements (unless AM is contracted and without the ability to train 13Ms)

5.3.2.2. ATC “Assist” position certification (Flight Data or Approach Assist) in the most complex ATC facility if assigned to a complex or a “Flight Data” position certification if assigned to an AOF that operates a tower only facility.

5.4. Staff (13M4). Airfield Operations officers are awarded the (4) skill level while assigned to a MAJCOM/HQ staff.

5.5. Continuation Training. CT begins following the completion of MQT and the attainment of CMR at the first AOF assignment.

Note: MQT and CT requirements only apply to 13M officers assigned to AOF-level assignments. Also, for ANG 13M officers, for training time limits, see the ANG supplement to the 13-204v1.

5.5.1. The Airfield Manager’s PCG.

5.5.2. Attend and complete the Advanced Airfield Manager Course at Keesler AFB, MS.

5.5.3. Attend and complete the Military Airspace Management Course at Keesler AFB, MS.

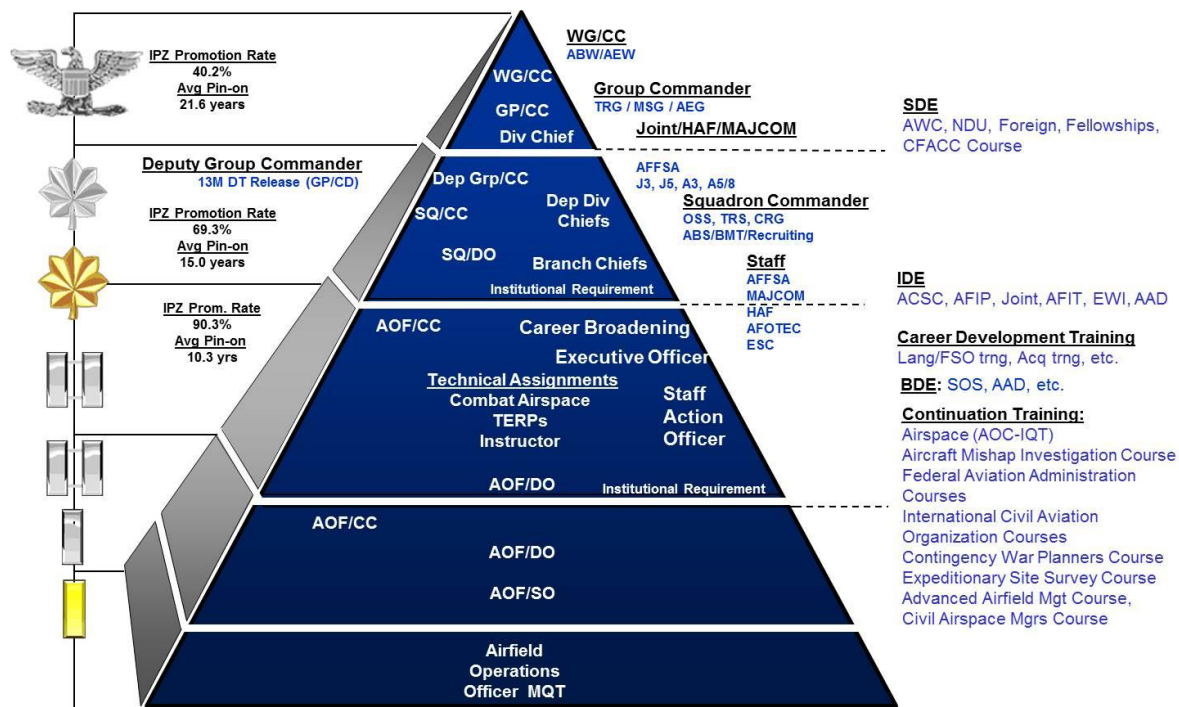
5.6. Elimination from training. 13M officers unable to obtain position certifications IAW this plan will be withdrawn for failure to obtain a rating IAW AFI 13-204v3, *Airfield Operations Procedures and Programs* and AFI 36-2201, *Air Force Training Program*. Eliminated officers may or may not be reclassified based on the needs of the Air Force.

5.7. Developmental Training (DT). DT opportunities are available and encouraged for 13M3s to attend in order to broaden their knowledge and skill sets. DT opportunities include, but are not

limited to the following:

- 5.7.1. Aircraft Mishap Investigation Course, Kirtland AFB, NM
- 5.7.2. Federal Aviation Administration/International Civil Aviation Organization Courses
- 5.7.3. Air and Space Operations Center IQT ASP, Hurlburt Field AFB, FL
- 5.7.4. Contingency War Planners Course, Maxwell AFB, AL
- 5.7.5. Expeditionary Site Survey Course, Fort Dix, NJ
- 5.7.6. FAA Obstruction Evaluation / Airport Airspace Analysis, Oklahoma City, OK
- 5.7.7. National Environmental Protection Act, (Shipley Group) Various Locations, Nationwide
- 5.7.8. Performance Based Navigation (TERPS), Oklahoma City, OK
- 5.7.9. Special Ops Combat Airspace Manager, Hurlburt Field AFB, FL
- 5.7.10. Joint Air Operations Planning Course, MacDill AFB, FL
- 5.7.11. Board President Accident Course, Kirtland AFB, NM / Maxwell AFB, AL

Figure 5.1. Career Field Pyramid.



Section C--Proficiency Training Requirements

6. **Purpose.** Proficiency training requirements in this career field are defined in terms of tasks and knowledge requirements as defined in AFI 13-204v1, *Airfield Operations Career Field Development*, this plan and ATC and AM facility operating instructions. This section outlines the specialty qualifications for entry, award and retention of the 13M AFS. The specific task and knowledge training requirements for IST are identified in the Course Training Standard (CTS) and Training Course Index at Part II, Section A of this CFETP.

7. Specialty Qualification:

7.1. Staff Level (13M4): Airfield Operations officers are awarded the (4) skill level while assigned to a MAJCOM/HQ staff.

7.2. Duties. Leads, manages, and/or serves as an airfield operations subject matter expert or functional manager at the Numbered Air Force (NAF), MAJCOM, or Headquarters Air Force (HAF) to include: Air Force Flight Standards Agency (AFFSA), Secretary of the Air Force (SAF), NATO, Combatant Command (COCOM), Joint Chiefs of Staff (JCS), or Office of the Secretary of Defense (OSD) staff. Develops and writes plans, programs, and/or policies. Participates in research development, test, and evaluation to determine new airfield operations systems capabilities as well as modifications to existing systems. Assists in writing technical requirements and equipment specifications, and develops criteria to evaluate operational effectiveness. Executes planning processes based on defense guidance and procedures. Coordinates plans and programs between staff agencies. Programs resource allocations in support of the strategy, planning, and programming process (SP3).

7.3. Education. BDE (required); IDE complete (preferred).

7.4. Training. None.

7.5. Experience. Must be a 13M3 with six years' experience.

Section D--Resource Constraints

8. **Purpose.** This section identifies known resource constraints which preclude optimal and desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. These constraints will be reviewed and updated at least annually.

9. Training.

9.1. Entry level (1). Airfield Operations Officer Course.

9.1.1. Constraints: None.

9.1.2. Impact: None.

9.1.3. Resources Required. None.

9.1.4. Action Required. None.

9.1.5. OPR and Target Completion Date. N/A.

9.2. Qualified Level (3).

9.2.1. Constraints. None.

9.2.2. Impact. None.

9.2.3. Resources Required. None.

9.2.4. Action Required. None.

9.2.5. OPR and Target Completion Date. N/A.

9.3. Staff Level (4).

9.3.1. Constraints. None.

9.3.2. Impact. None.

9.3.3. Resources Required. N/A.

9.3.4. Action Required: N/A.

9.3.5. OPR and Target Completion Date. N/A.

**AIRFIELD OPERATIONS OFFICER SPECIALTY
AFSC 13MX
CAREER FIELD EDUCATION AND TRAINING
PLAN**

Part II

Section A—Course Training Standard (CTS)

1. Implementation of training in support of this CTS will begin with class 170313.
2. Purpose. This course training standard:
 - 2.1. Establishes the training requirements using tasks, knowledge and proficiency levels for Course E3OBR13M1 XXXX, Airfield Operations Officer.
 - 2.2. Provides the basis for the development of more detailed training materials, training objectives and training evaluation instruments for the course.
 - 2.3. Documentation. The 334 TRS documents course completion, and all associated CTS items, via the Technical Training Management System (TTMS) Student Management database.
3. Course Description. This course provides training for personnel in AFSC 13MX in the knowledge and skills needed to perform duties as an Airfield Operations Officer. The scope of training includes security, safety, airfield operations personnel management, air traffic control, and airfield management procedures, ATCALS maintenance, and contingency operations.
4. Qualitative Requirements. Attachment 1 contains the tasks, knowledge and Proficiency Code Key. Attachment 2 is the Course Training Standard taught by in-residence technical schools.
5. Proficiency Designator Table.

Table A5.1. Proficiency Designator.

Proficiency Designator	Title	Course Requirements	Experience Requirements
13MX	Airfield Operations	Basic Course	
13M1	Entry Level	Completion of IST IAW AFI 13-204v1	
13M2	Not Used		
13M3	Fully Qualified	Completion of MQT IAW AFI 13-204v1	
13M4	Staff Officer	None, see para 5.7. for recommended development training.	As listed in 7.5.

6. Recommendations. Comments and recommendations are invited concerning quality of AETC training. A Customer Service Information Line (CSIL) has been installed for the supervisor's convenience. For a quick response to concerns, call the CSIL at DSN 597-4566, or fax DSN 597-3790, or email 81trg-tget@keesler.af.mil. Reference this CTS and identify the specific area of concern (paragraph, training standard element, etc.). Address correspondence to 334 TRS/TRR, 610 Hangar Rd, Suite 106, Keesler AFB, MS 39534-2335.

Section B—Training Course Index

7. Purpose. This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs. Refer to AFCAT 36-2223, *USAF Formal Schools*, for information on resident courses listed in this index.

8. Air Force In-Residence Courses:

8.1. Entry Level Awarding Course:

Course Number	Title	Location	User
E3OBR13M1 XXXX	Airfield Operations Officer	Keesler AFB, MS	All

8.2. CT formal courses:

E3AZR1C791 XXXX	Advanced Airfield Manager	Keesler AFB, MS	All
E3OZR13M3 XXXX	Military Airspace Management	Keesler AFB, MS	All

9. Air Force Institute of Technology Courses. None.

10. Extension Course Institute (ECI) Courses. None.

11. Exportable Courses. None.

12. Courses under Development and Revision. None.

Section C—Support Materials

13. The following list of support materials is not all-inclusive; however, it covers the most frequently referenced areas.

Document	Duty Position	Developer
AOM QTP	AOF/DO or AOF/SO	HQ AFFSA/XA

Course Number	Title	Location	User
This section not used.			

Section D--MAJCOM Unique Requirements

Note: There are currently no MAJCOM unique requirements. This area is reserved.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

B. CHANCE SALTZMAN, Brig Gen, USAF
Director of Future Operations

Attachment 1: Qualitative Requirements
Attachment 2: CTS E3OBR13M1 XXXX

Attachment 1

QUALITATIVE REQUIREMENTS

PROFICIENCY CODE KEY		
	SCALE VALUE	DEFINITION: The individual
TASK PERFORMANCE LEVELS	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (EXTREMELY LIMITED)
	2	Can do most parts of the task. Needs help only on hardest parts. (PARTIALLY PROFICIENT)
	3	Can do all parts of the task. Needs only a spot check of completed work. (COMPETENT)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (HIGHLY PROFICIENT)
*TASK KNOWLEDGE LEVELS	a	Can name parts, tools, and simple facts about the task. (NOMENCLATURE)
	b	Can determine step-by-step procedures for doing the task. (PROCEDURES)
	c	Can identify why and when the task must be done and why each step is needed. (OPERATING PRINCIPLES)
	d	Can predict, isolate, and resolve problems about the task. (COMPLETE THEORY)
**SUBJECT KNOWLEDGE LEVELS	A	Can identify basic facts and terms about the subject. (FACTS)
	B	Can identify relationship of basic facts and state general principles about the subject. (PRINCIPLES)
	C	Can analyze facts and principles and draw conclusions about the subject. (ANALYSIS)
	D	Can evaluate conditions and make proper decisions about the subject. (EVALUATION)
<p>* A task knowledge scale may be used alone or with a task performance scale to define a level of knowledge for a specific task. (Examples: b and 3b)</p> <p>** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.</p> <p>X This mark is used alone instead of a scale value to show that no proficiency training is provided in the course.</p> <p>-This mark is used alone in course columns to show that training is required but not given due to limitation in resources.</p>		

Attachment 2

CTS E3OBR13M1 XXXX

1. AIRFIELD OPERATIONS PERSONNEL MANAGEMENT

1.1. Military Personnel.....	(B)
1.2. Civilian Personnel.....	(B)
1.3. Organization and Chain of Command/Interface	(B)
1.4. AOF Publications (Developing, Managing, Coordinating, and Negotiating)	(B)
1.5. Create LOP Index/OPLAN Brief.....	(1b)
1.6. General Flight Administration	
1.6.1. Publications Management.....	(A)
1.6.2. Records Management and Disposition	(A)
1.6.3. AOF Budget Process	(B)
1.6.4. AOF Training Programs	(B)
1.7. MACA, HATR, & Mishaps	
1.7.1. MACA/HATR.....	(B)
1.7.2. Mishap Prevention and Investigation	(B)
1.8. TERPS	
1.8.1. Coordination Process.....	(B)
1.8.2. Understanding Procedure Development.....	(B)
1.9. Contracting ATC and Airfield Services	(B)
1.10. Quality Assurance	
1.10.1. AOF Measurement Tools	(B)
1.10.1.1. Conduct AOB Brief	(1b)
1.10.2. Air Force Inspection System (AFIS)	(B)
1.11. Manpower	
1.11.1. Manpower Management	(B)
1.12. AOF Recognition Programs	(A)

2. ATCALs

2.1. ATCALs Theory of Operation	
2.1.1. Instrument Landing System	(B)
2.1.2. Family of Systems (VOR/TACAN/VORTAC)	(B)
2.1.3. Radar	(B)
2.1.4. ATC Radios	(B)
2.2. ATCALs Maintenance Structure	
2.2.1. Base-Level ATCALs	(B)
2.2.2. Regional Maintenance Center (RMC) Operations.....	(B)
2.2.3. MAJCOM Functional Management	(B)
2.2.4. ATCALs System Management	(B)
2.3. NAS Integration and Flight Inspections	
2.3.1. ATCALs Integration	(B)
2.3.2. Flight Inspection	(B)
2.4. Maintenance Principles	
2.4.1. Supply Cycle and Equipment Configuration	(A)

2.4.2. Technical Orders, Tools, and Test Equipment.....	(A)
2.4.3. Equipment downtime, Inspections, and Repair	(B)
2.5. Maintenance Safety	
2.5.1. Climbing	(A)
2.5.2. HAZMAT, HAZCOM, and Radio Frequency Radiation	(A)
3. ATC FUNDAMENTALS	
3.1. Contingency/Full Spectrum C2 Operations	(A)
3.2. General Flight Rules	(B)
3.3. ATC Operational Structure	(B)
3.4. Aviation Principles	
3.4.1. Aircraft Characteristics and Designation.....	(A)
3.4.2. Airspace Designation and Classification.....	(A)
3.4.3. UAS Characteristics, Management, and Integration	(B)
3.5. Navigation	
3.5.1. Air Navigation and Navigational Aids.....	(B)
3.5.2. Aeronautical Charts, Maps, and FLIPS.....	(B)
3.6. Basic Air Traffic Control Principles	
3.6.1. Responsibilities for Anti-hijacking.....	(A)
3.6.2. ATC Equipment	(B)
3.7. Weather Reports	
3.7.1. Effects of Weather on Aircraft.....	(B)
3.7.2. METAR Reports	(A)
3.8. Crew Resource Management (CRM).....	(B)
4. AIR TRAFFIC CONTROL TOWER	
4.1. Control Tower Principles	(B)
4.2. Control Tower Operations	
4.2.1. Operate Position Equipment	(1b)
4.2.2. Perform Flight Data Functions.....	(2b)
4.2.3. Perform Ground Control Functions	(2b)
4.2.4. Perform Local Control Functions.....	(2b)
5. RADAR APPROACH CONTROL (RAPCON)	
5.1. RAPCON Principles	(B)
5.2. RAPCON Operations	
5.2.1. Perform Approach Assist Functions	(2b)
5.2.2. Perform Approach/Departure Control Functions.....	(2b)
5.2.3. Perform Arrival Control Functions.....	(2b)
6. AIRFIELD MANAGEMENT	
6.1. AOF Management	
6.1.1. Qualifications and Responsibilities of Airfield Managers (AFM/DAFM).....	(B)
6.1.2. Airfield Operations Management Structure and Facilities	(B)
6.1.3. Flight Plans	(B)
6.1.4. Airfield Driving Program.....	(B)
6.1.5. Controlled Movement Area	(B)
6.1.6. Support Agencies and Forums	(B)
6.1.7. Bird/Wildlife Aircraft Strike Hazard (BASH) Reduction	(B)
6.1.8. Airfield Restrictions, Utilization and Safety.....	(B)

6.1.9. Airfield Sustainment/Construction	(B)
6.1.10. Apply Airfield Criteria.....	(2b)
6.1.11. Develop Parking Plan	(2b)
6.1.12. Pavement Classification.....	(B)
6.1.13. Airfield Markings.....	(B)
6.1.14. Airfield Lighting	(B)
6.1.15. Conduct Airfield Inspections and Checks.....	(2b)
6.1.16. Airfield Waivers.....	(B)
6.1.17. Frangibility Requirements	(B)
6.1.18. Civil Aircraft Use of Military Airfields	(B)
6.1.19. Airshow.....	(B)
7. AOF CONTINGENCY OPERATIONS	
7.1. Contingency/Full Spectrum C2 Operations	
7.1.1. Combat Readiness.....	(B)
7.1.2. Combat Airspace.....	(B)
7.1.3. AF and Joint ATC Doctrine	(B)
7.1.4. Sister Service AOF Capabilities	(B)
7.1.5. Contingency Air Traffic Control/Airfield Management Operations/ATCALs.....	(B)
7.1.6. Integrated Combat Ops (Airbase Defense/C2 Interoperability)	(B)
7.1.7. Air Base Operability	(B)
7.2. CAPSTONE: Contingency Operations.....	(b)